

FIG. 1

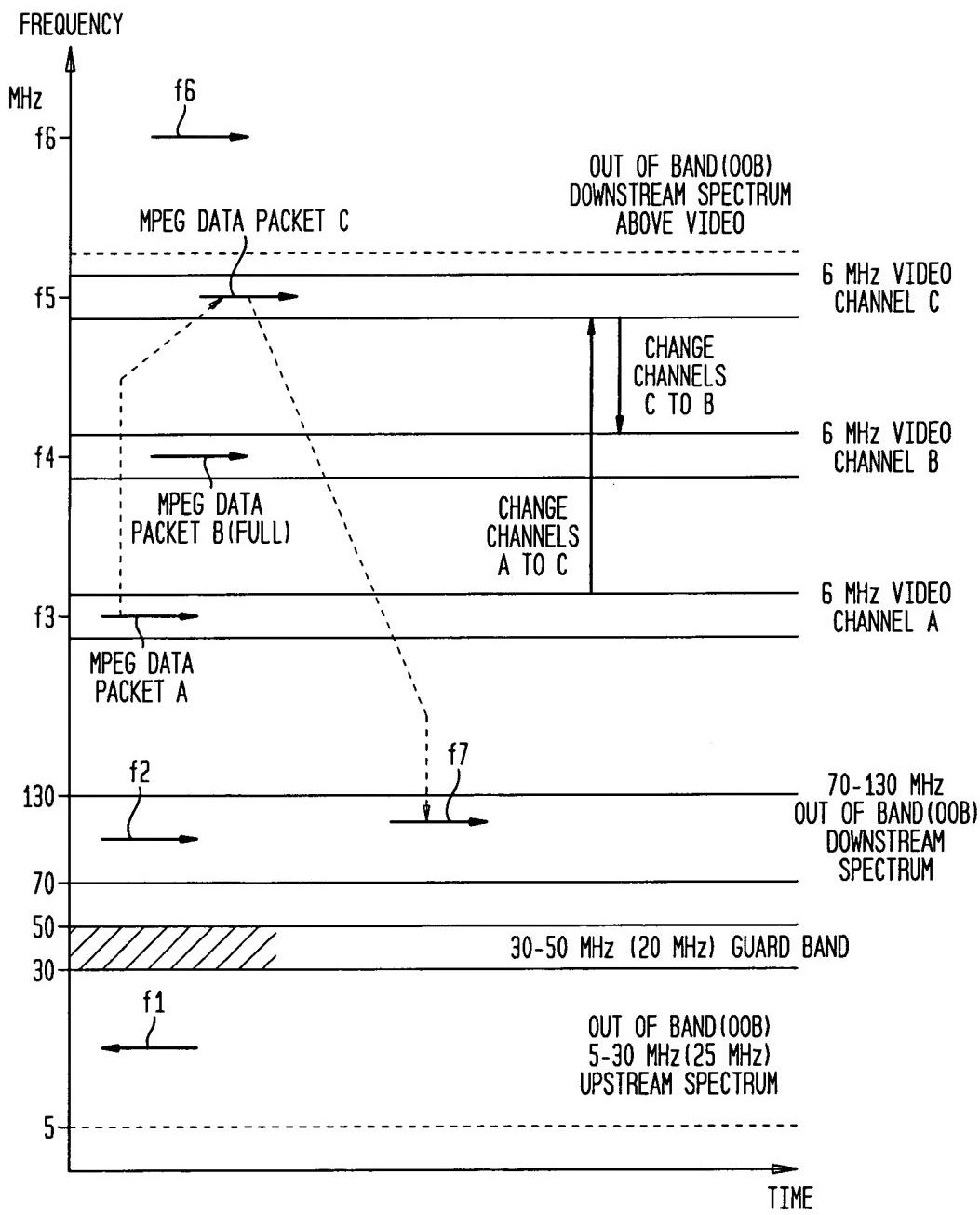


FIG. 2
(PRIOR ART)

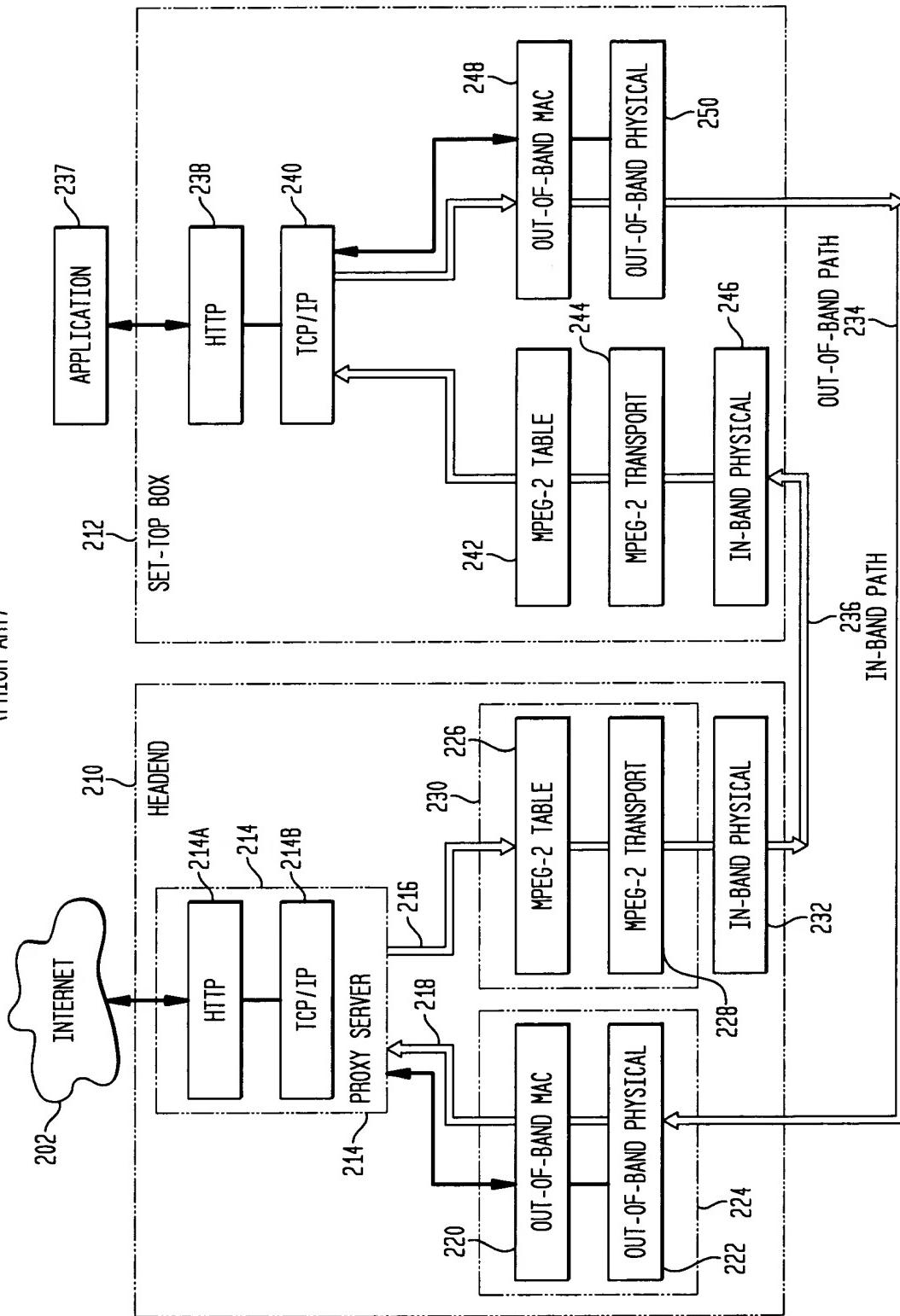


FIG. 3

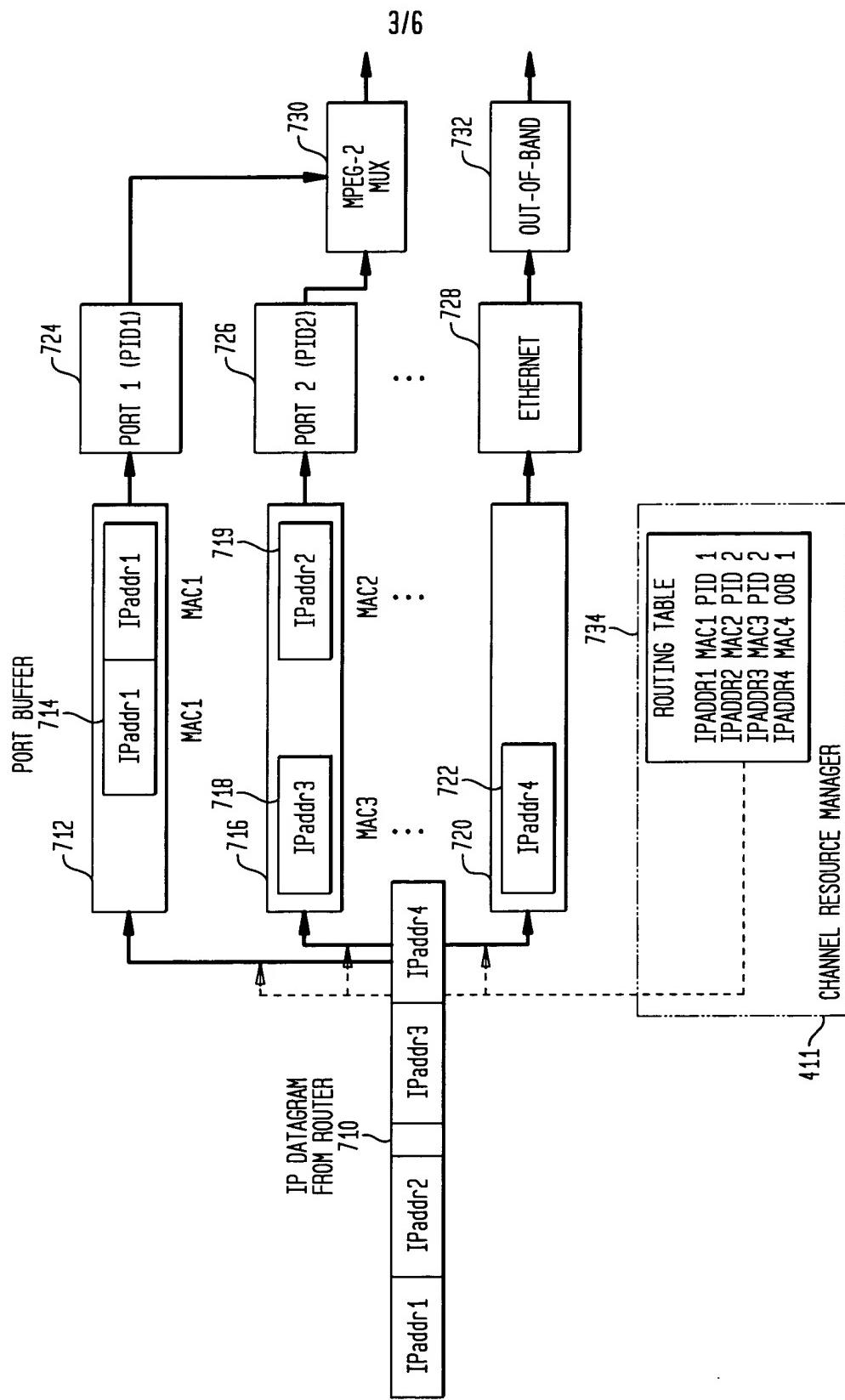


FIG. 4

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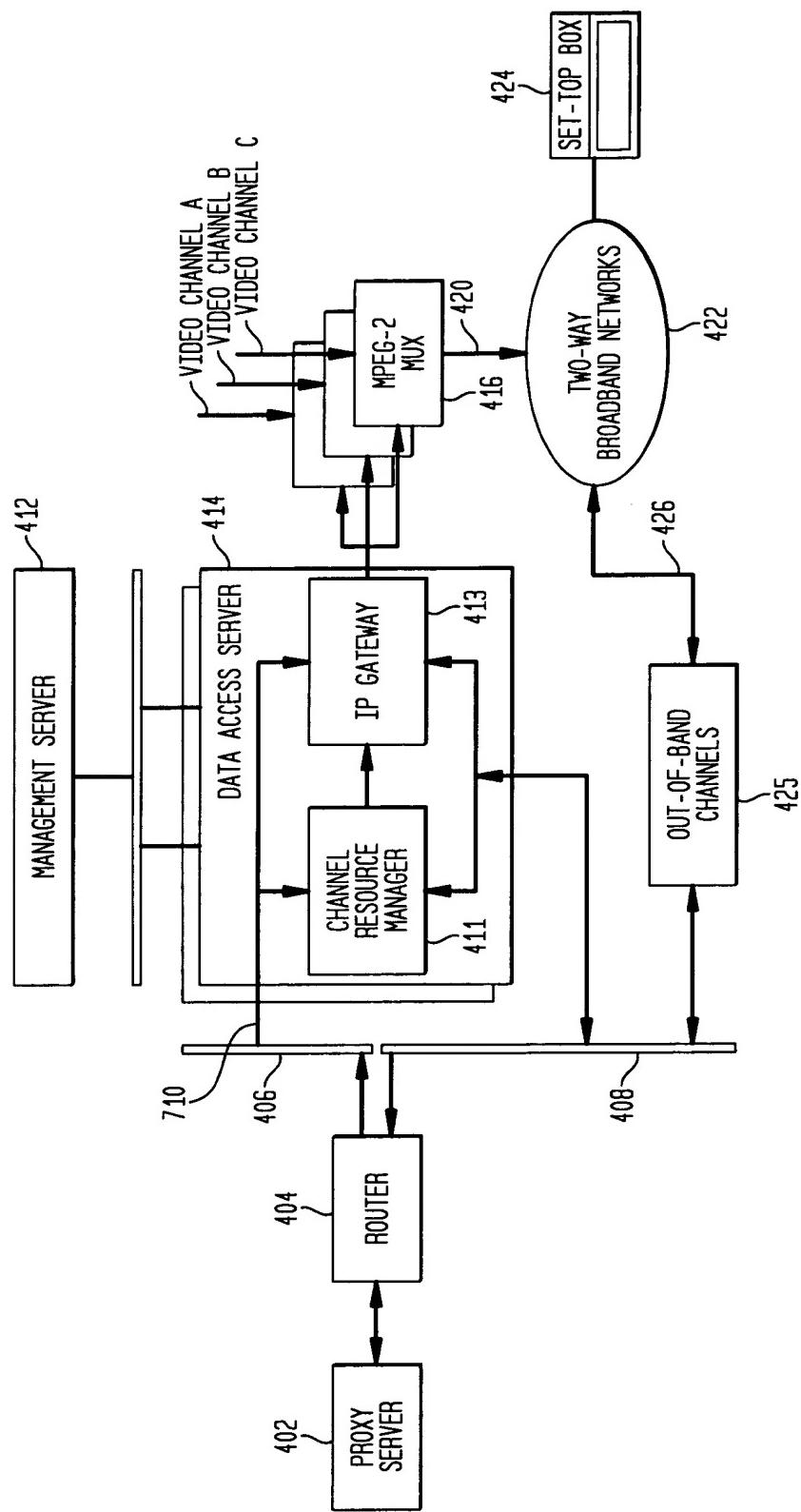


FIG. 5

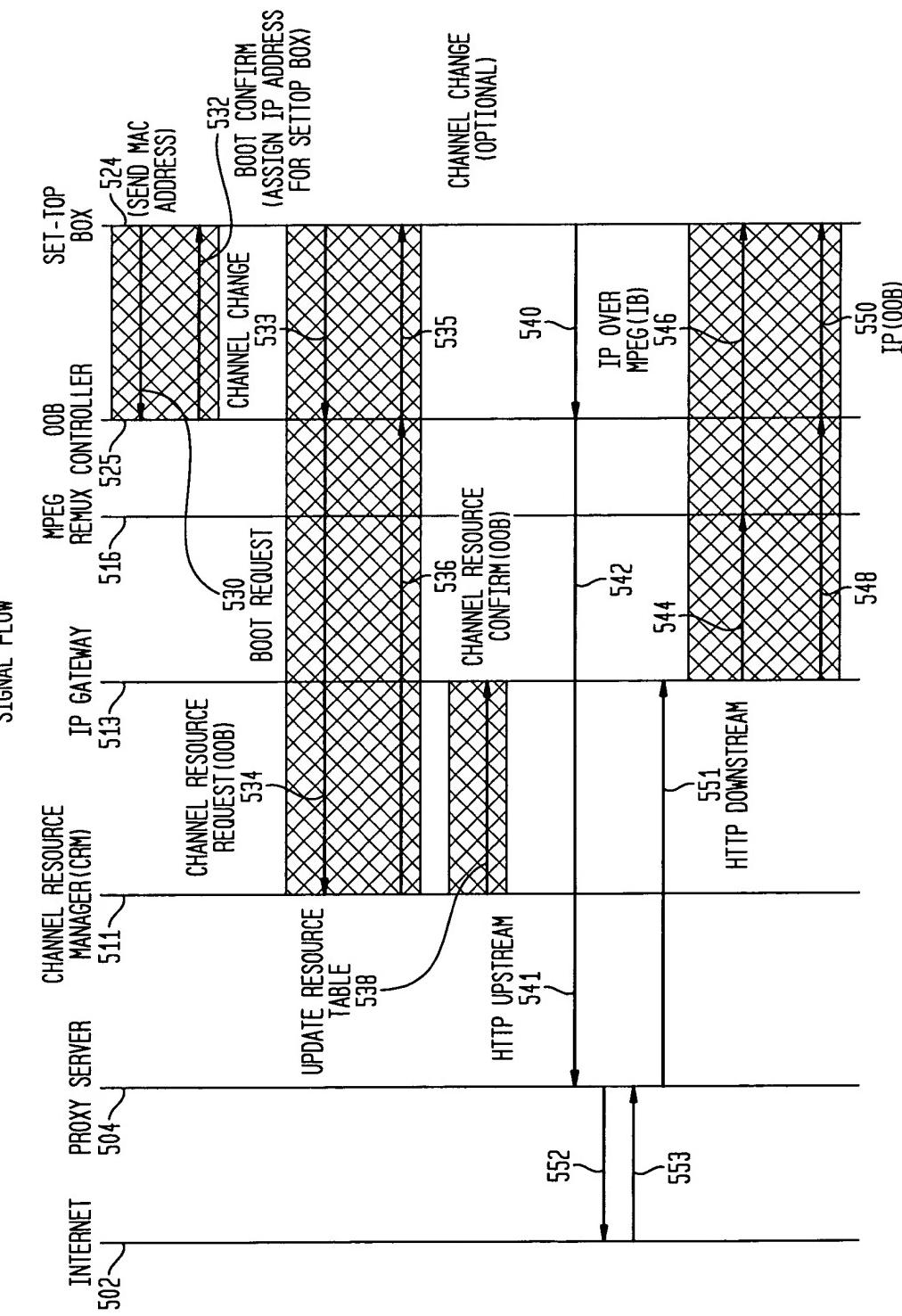


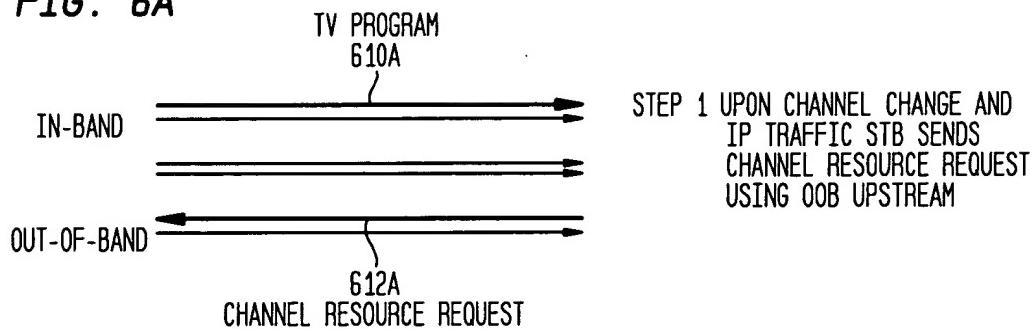
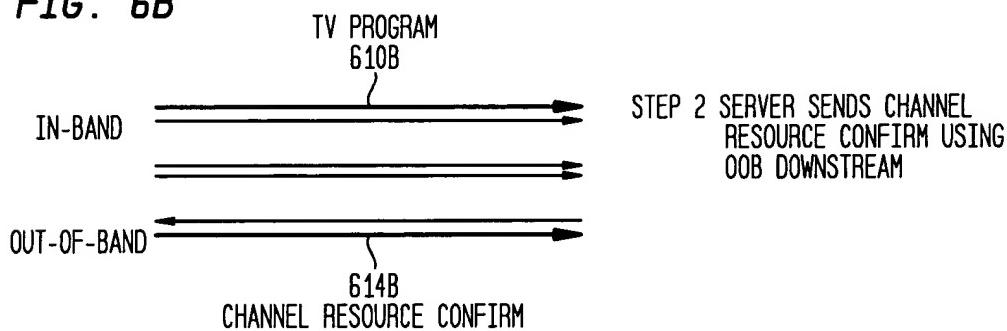
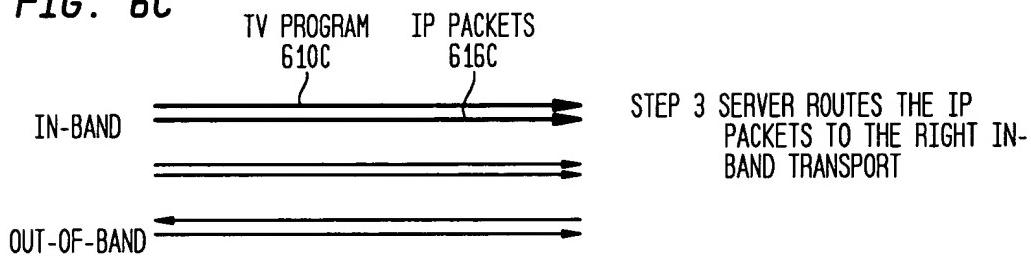
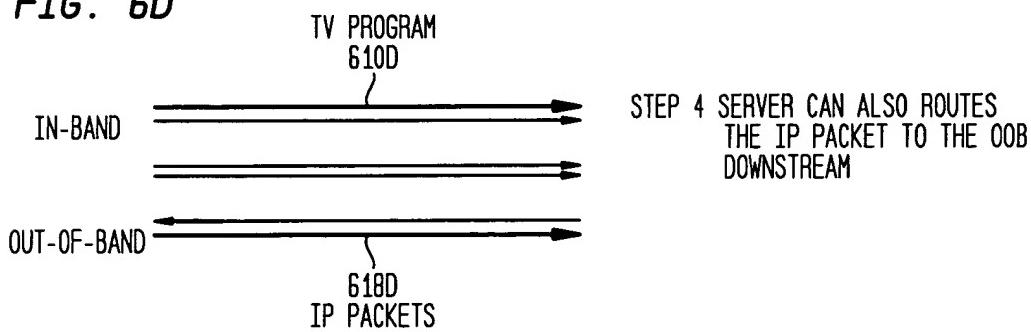
FIG. 6A**FIG. 6B****FIG. 6C****FIG. 6D**

TABLE 1
CHANNEL RESOURCE REQUEST MESSAGES

Channel Resource Request Message()		
commonDescriptorHeader () {		
resourceRequestID	2	STB assigned ID for message
resourceDescriptorType	2 '0x0004'	PhysicalChannelResourceDescriptor NOT USED
resourceNum	2	NOT USED
associationTag	2	NOT USED
resourceFlags	2 '0x42' (or '0x46')	Use only current channel "non-Negotiable" (Can use any channel "Negotiable")
resourceStatus	1	NOT USED
resourceLength	1 '0x0006'	Total length of the descriptor
resourceDataFieldCount	1 '0x0001'	Only one resource descriptor
}		
PhysicalChannelResourceDescriptor () {	4	programID(2) + transport_streamID(2)
channelID		
direction	"0x0000"	(downstream)
}		

TABLE 2
CHANNEL RESOURCE CONFIRM MESSAGES

Channel Resource Confirm Message () {		
commonDescriptorHeader () {		
resourceRequestID	2	STB assigned ID for message
resourceDescriptorType	2	MPEGProgramResourceDescriptor
resourceNum	2	Assigned by server (0x8000-0x8ffff)
associationTag	2	NOT USED
resourceFlags	2	Use only current channel "non-Negotiable" (Can use any channel "Negotiable")
resourceStatus	1	See status table
resourceLength	1	Total length of the descriptor
resourceDataFieldCount	1	Only one resource descriptor
}		
MPEGProgramResourceDescriptor () {		
mpegProgramNum	2	ProgramID
mpegPmtPid	2	TransportStreamID
mpegCapID	2	NOT USED
elementaryStreamCount	2	Only one data PID per TS
mpegPID	2	PID for the data "FFFF" for Out-of-Band
stream_type	2	DVB Multi-Protocol Encapsulation
reserved	2	NOT USED
associationTag	2	No PCR
mpegPCR	2	
}		